RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/524,399
Source: TFWO
Date Processed by STIC: 2-28-05

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: **10 524,399**   CRF Edit Date: **2-28-05**
Edited by: **K l**

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

✓ Deleted: ✓ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

RAW SEQUENCE LISTING   DATE: 02/28/2005
PATENT APPLICATION: US/10/524,399   TIME: 14:57:16

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02282005\J524399.raw

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   3 <110> APPLICANT: KRAUSE, Andreas
   4        NIESE, Detlef
   5        RAULF, Friedrich
   6        SCHERER, Andreas
   8 <120> TITLE OF INVENTION: Diagnosis of chronic rejection
  10 <130> FILE REFERENCE: 4-32608A
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/524,399
C--> 13 <141> CURRENT FILING DATE: 2005-02-11
  15 <150> PRIOR APPLICATION NUMBER: US 60/405,225
  16 <151> PRIOR FILING DATE: 2002-08-22
  18 <160> NUMBER OF SEQ ID NOS: 28
  20 <170> SOFTWARE: PatentIn version 3.2
  22 <210> SEQ ID NO: 1
  23 <211> LENGTH: 63
  24 <212> TYPE: DNA
  25 <213> ORGANISM: Artificial
  27 <220> FEATURE:
  28 <223> OTHER INFORMATION: Primer sequence
  30 <400> SEQUENCE: 1
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  33 ttt                                                                  63
  36 <210> SEQ ID NO: 2
  37 <211> LENGTH: 20
  38 <212> TYPE: DNA
  39 <213> ORGANISM: Artificial
  41 <220> FEATURE:
  42 <223> OTHER INFORMATION: Primer sequence
  44 <400> SEQUENCE: 2
  45 ggctttgcat gcgctctatt                                                 20
  48 <210> SEQ ID NO: 3
  49 <211> LENGTH: 19
  50 <212> TYPE: DNA
  51 <213> ORGANISM: Artificial
  53 <220> FEATURE:
  54 <223> OTHER INFORMATION: Primer sequence
  56 <400> SEQUENCE: 3
  57 gctgcatctc cttgctcca                                                  19
  60 <210> SEQ ID NO: 4
  61 <211> LENGTH: 23
  62 <212> TYPE: DNA
  63 <213> ORGANISM: Artificial
  65 <220> FEATURE:
  66 <223> OTHER INFORMATION: Primer sequence
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RAW SEQUENCE LISTING   DATE: 02/28/2005
PATENT APPLICATION: US/10/524,399   TIME: 14:57:16

Input Set : A:\pto.kd.txt
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68 <400> SEQUENCE: 4
69 cccctctgcc tctccccacc ttc                                    23
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 19
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Primer sequence
80 <400> SEQUENCE: 5
81 ggagccccaa aacctacca                                         19
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 19
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Primer sequence
92 <400> SEQUENCE: 6
93 aagcaagaag cagcagcca                                         19
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 19
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Primer sequence
104 <400> SEQUENCE: 7
105 tcgcgtgttc cccaagcgc                                        19
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 21
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Primer sequence
116 <400> SEQUENCE: 8
117 tgggagttac ctgagggaag c                                     21
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 18
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Primer sequence
128 <400> SEQUENCE: 9
129 gattggcagt gccccatg                                         18
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 30
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer sequence
140 <400> SEQUENCE: 10
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RAW SEQUENCE LISTING   DATE: 02/28/2005
PATENT APPLICATION: US/10/524,399   TIME: 14:57:16

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02282005\J524399.raw

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141 agacccttta tgtctctcag gagccctgga                               30
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 19
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Primer sequence
152 <400> SEQUENCE: 11
153 gcaaggaggg caggacact                                           19
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 22
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Primer sequence
164 <400> SEQUENCE: 12
165 caaacatcac taagggcagg tg                                       22
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 22
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Primer sequence
176 <400> SEQUENCE: 13
177 caggcactga gcaagcaggc cc                                       22
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 19
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Primer sequence
188 <400> SEQUENCE: 14
189 tggccttctc agtttgggc                                           19
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 21
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Primer sequence
200 <400> SEQUENCE: 15
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204 <210> SEQ ID NO: 16
205 <211> LENGTH: 24
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Primer sequence
212 <400> SEQUENCE: 16
213 aaagggatgg aggctttacg gcca                                     24
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RAW SEQUENCE LISTING   DATE: 02/28/2005
PATENT APPLICATION: US/10/524,399   TIME: 14:57:16

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02282005\J524399.raw

216 <210> SEQ ID NO: 17
217 <211> LENGTH: 21
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Primer sequence
224 <400> SEQUENCE: 17
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228 <210> SEQ ID NO: 18
229 <211> LENGTH: 21
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Primer sequence
236 <400> SEQUENCE: 18
237 tttgaatccc aggcaacttt g   21
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 27
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Primer sequence
248 <400> SEQUENCE: 19
249 tctcctggga cgagaaggac tcatcca   27
252 <210> SEQ ID NO: 20
253 <211> LENGTH: 26
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Primer sequence
260 <400> SEQUENCE: 20
261 aacttgccaa ttctgtgaat gttatt   26
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 22
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Primer sequence
272 <400> SEQUENCE: 21
273 gggacatgtt acccaatcac aa   22
276 <210> SEQ ID NO: 22
277 <211> LENGTH: 33
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Primer sequence
284 <400> SEQUENCE: 22
285 atttaaaaag ctgggtctgt aatgggaggc att   33
288 <210> SEQ ID NO: 23

RAW SEQUENCE LISTING   DATE: 02/28/2005
PATENT APPLICATION: US/10/524,399   TIME: 14:57:16

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02282005\J524399.raw

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289 <211> LENGTH: 23
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Primer sequence
296 <400> SEQUENCE: 23
297 tggaaattct gctcacttct tgc                                    23
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 22
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Primer sequence
308 <400> SEQUENCE: 24
309 tctgatgtca tggccaaatt tg                                     22
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 22
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Primer sequence
320 <400> SEQUENCE: 25
321 tctgatgtca tggccaaatt tg                                     22
324 <210> SEQ ID NO: 26
325 <211> LENGTH: 24
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Primer sequence
332 <400> SEQUENCE: 26
333 gacactacta aagctcccag ctcc                                   24
336 <210> SEQ ID NO: 27
337 <211> LENGTH: 20
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Primer sequence
344 <400> SEQUENCE: 27
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348 <210> SEQ ID NO: 28
349 <211> LENGTH: 31
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Primer sequence
356 <400> SEQUENCE: 28
357 ttcatgctcc atttttaacc acttgcctct t                           31
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/28/2005
PATENT APPLICATION: US/10/524,399   TIME: 14:57:17

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02282005\J524399.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28

VERIFICATION SUMMARY   DATE: 02/28/2005
PATENT APPLICATION: US/10/524,399   TIME: 14:57:17

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\02282005\J524399.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/524,399

DATE: 02/24/2005
TIME: 12:05:21

Input Set : A:\Sequence listing.txt
Output Set: N:\CRF4\02242005\J524399.raw

```
   3 <110> APPLICANT: KRAUSE, Andreas
   4        NIESE, Detlef
   5        RAULF, Friedrich
   6        SCHERER, Andreas
   8 <120> TITLE OF INVENTION: Diagnosis of chronic rejection
  10 <130> FILE REFERENCE: 4-32608A
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/524,399
C--> 13 <141> CURRENT FILING DATE: 2005-02-11
  15 <150> PRIOR APPLICATION NUMBER: US 60/405,225
  16 <151> PRIOR FILING DATE: 2002-08-22
  18 <160> NUMBER OF SEQ ID NOS: 28
  20 <170> SOFTWARE: PatentIn version 3.2
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Does Not Comply
Corrected Diskette Needed
(pg.1)

ERRORED SEQUENCES

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 348 <210> SEQ ID NO: 28
 349 <211> LENGTH: 31
 350 <212> TYPE: DNA
 351 <213> ORGANISM: Artificial
 353 <220> FEATURE:
 354 <223> OTHER INFORMATION: Primer sequence
 356 <400> SEQUENCE: 28
 357 ttcatgctcc atttttaacc acttgcctct t                         31
E--> 363 - 1 -
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deleted

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/24/2005
PATENT APPLICATION: US/10/524,399   TIME: 12:05:22

Input Set : A:\Sequence listing.txt
Output Set: N:\CRF4\02242005\J524399.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28

```
              VERIFICATION SUMMARY              DATE: 02/24/2005
              PATENT APPLICATION:  US/10/524,399    TIME: 12:05:22

              Input Set : A:\Sequence listing.txt
              Output Set: N:\CRF4\02242005\J524399.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:363 M:254 E: No. of Bases conflict, this line has no nucleotides.
```